Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052219\

Quantitation Report (Not Reviewed)

Data File : VU032251.D
Acq On : 23 May 2019 03:54
Operator : JC/SP
Sample : K3001-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YF1

Quant Time: May 23 07:25:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 07:22:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	366127	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	380759	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	147604	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	112184	5.46	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 109.20%			
7) Chloroethane-d5	1.67	69	95965	5.00	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 100.00%			
11) 1,1-Dichloroethene-d2	2.27	63	194649	5.14	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 102.80%			
20) 2-Butanone-d5	4.19	46	237316	40.92	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 81.84%			
24) Chloroform-d	4.64	84	219185	4.17	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 83.40%			
26) 1,2-Dichloroethane-d4	5.31	65	106809	3.84	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 76.80%			
32) Benzene-d6	5.33	84	450824	4.17	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 83.40%			
36) 1,2-Dichloropropane-d6	6.33	67	133261	3.80	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 76.00%			
41) Toluene-d8	7.56	98	375883	3.58	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 71.60%			
43) trans-1,3-Dichloropropene-	7.85	79	42967	3.18	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 63.60%			
46) 2-Hexanone-d5	8.31	63	199418	39.28	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 78.56%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105317	3.02	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 60.40%#			
64) 1,2-Dichlorobenzene-d4	11.86	152	136078	3.35	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 67.00%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.31	85	42593	2.721	ug/L	97
3) Chloromethane	1.33	50	4885	0.311	ug/L	92
9) Trichlorofluoromethane	1.88	101	6476	0.315	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1996	0.154	ug/L #	18
12) 1,1-Dichloroethene	2.28	96	60049	4.609	ug/L #	77
13) Acetone	2.32	43	13291	7.396	ug/L	98
18) trans-1,2-Dichloroethene	2.97	96	6426	0.459	ug/L	97
19) 1,1-Dichloroethane	3.44	63	512886	23.745	ug/L	97
21) 2-Butanone	4.30	43	3901	1.439	ug/L	78
22) cis-1,2-Dichloroethene	4.22	96	46422	3.400	ug/L	97
25) Chloroform	4.67	83	7905	0.339	ug/L	87
29) 1,1,1-Trichloroethane	4.91	97	491559	24.873	ug/L	98
31) Carbon tetrachloride	4.91	117	67272	3.864	ug/L	99
34) Trichloroethene	6.18	95	64632	4.676	ug/L	94
35) Methylcyclohexane	6.33	83	32107	1.577	ug/L #	20
37) 1,2-Dichloropropane	6.33	63	13067	1.054	ug/L #	87
38) Bromodichloromethane	6.76	83	1402	0.087	ug/L #	63

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052219\

Quantitation Report (Not Reviewed)

Data File : VU032251.D
Acq On : 23 May 2019 03:54
Operator : JC/SP
Sample : K3001-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : E3YF1

Quant Time: May 23 07:25:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 07:22:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) trans-1,3-Dichloropropene	7.85	75	1736	0.125	ug/L		93
47) Tetrachloroethene	8.22	164	30988	2.716	ug/L		93
48) 2-Hexanone	8.37	43	7404	1.540	ug/L	#	50
49) Dibromochloromethane	8.22	129	29637	2.719	ug/L	#	13
53) m,p-Xylene	9.38	106	9552	0.466	ug/L		75
54) o-Xylene	9.78	106	6041	0.295	ug/L		98
59) 1,2,3-Trichloropropane	11.48	75	14814	1.834	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

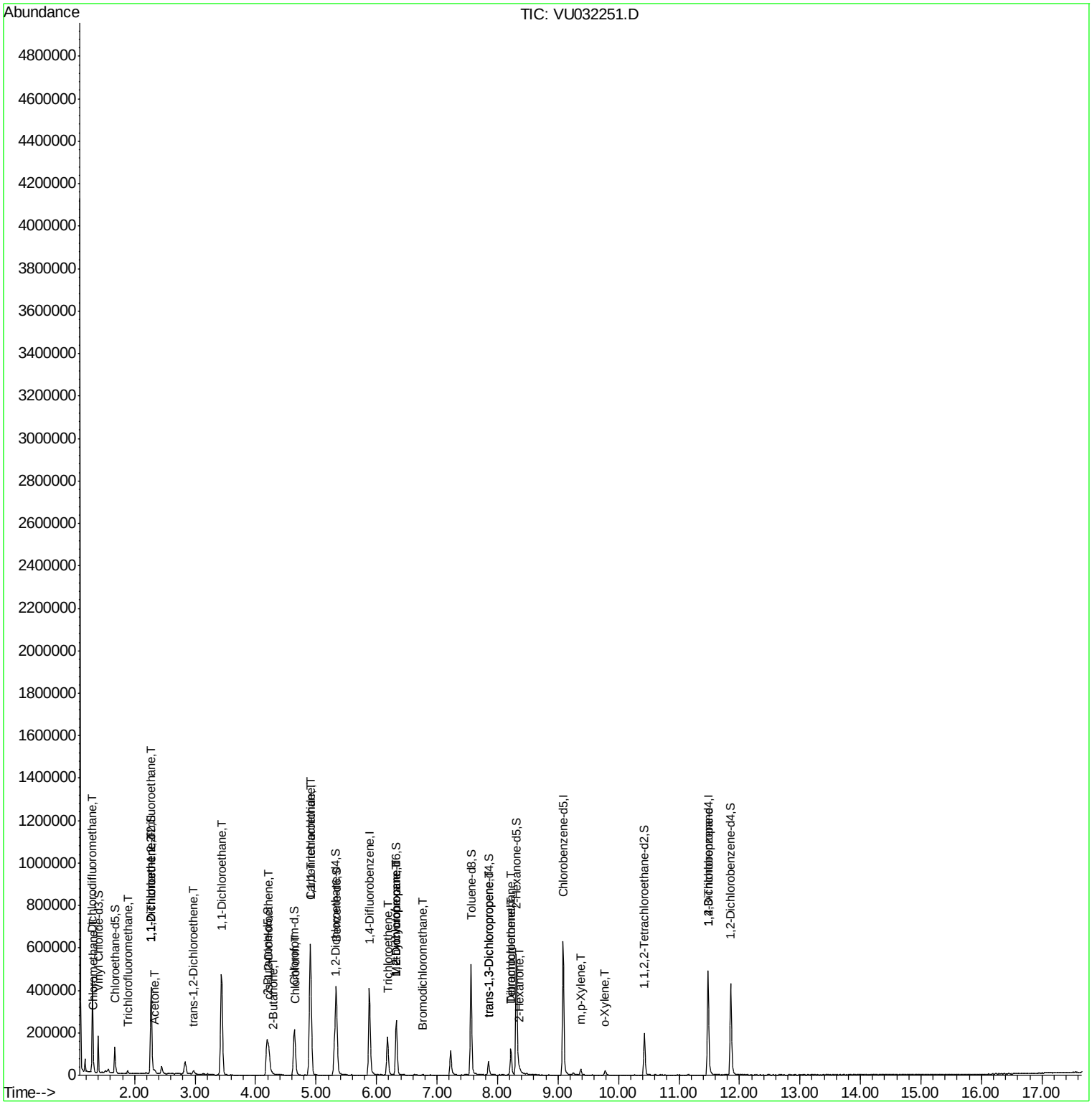
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052219\

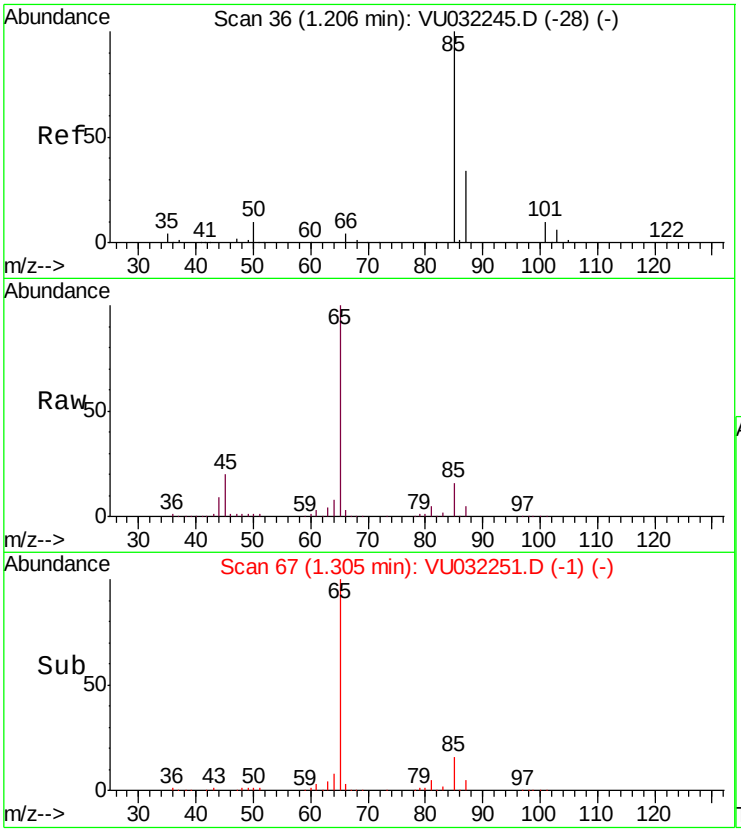
Quantitation Report (Not Reviewed)

Data File : VU032251.D
Acq On : 23 May 2019 03:54
Operator : JC/SP
Sample : K3001-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Quant Time: May 23 07:25:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 07:22:00 2019
Response via : Initial Calibration



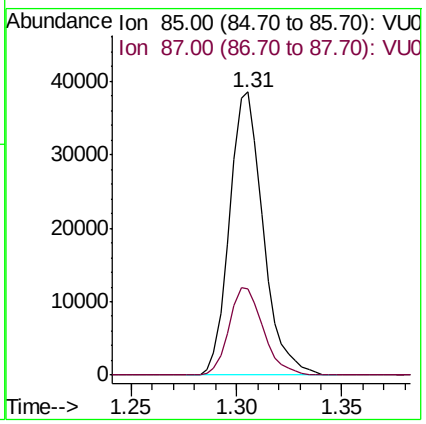


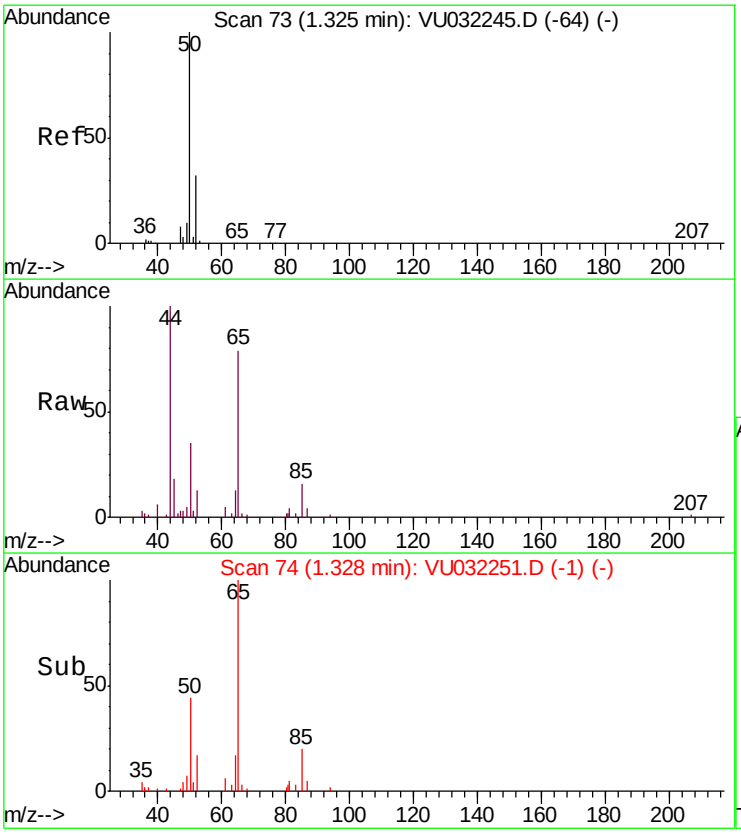
#2
Dichlorodifluoromethane
Concen: 2.721 ug/L
RT: 1.31 min Scan# 67
Delta R.T. 0.10 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Tgt Ion: 85 Resp: 42593

Ion	Ratio	Lower	Upper
85	100		
87	31.3	26.6	39.8

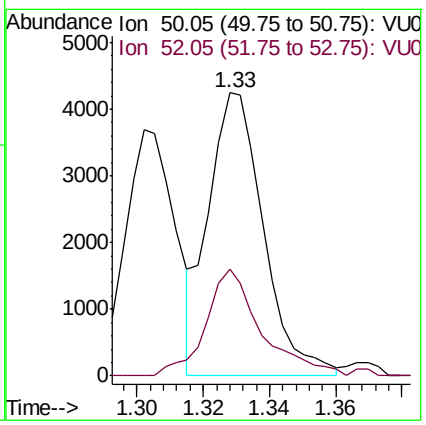


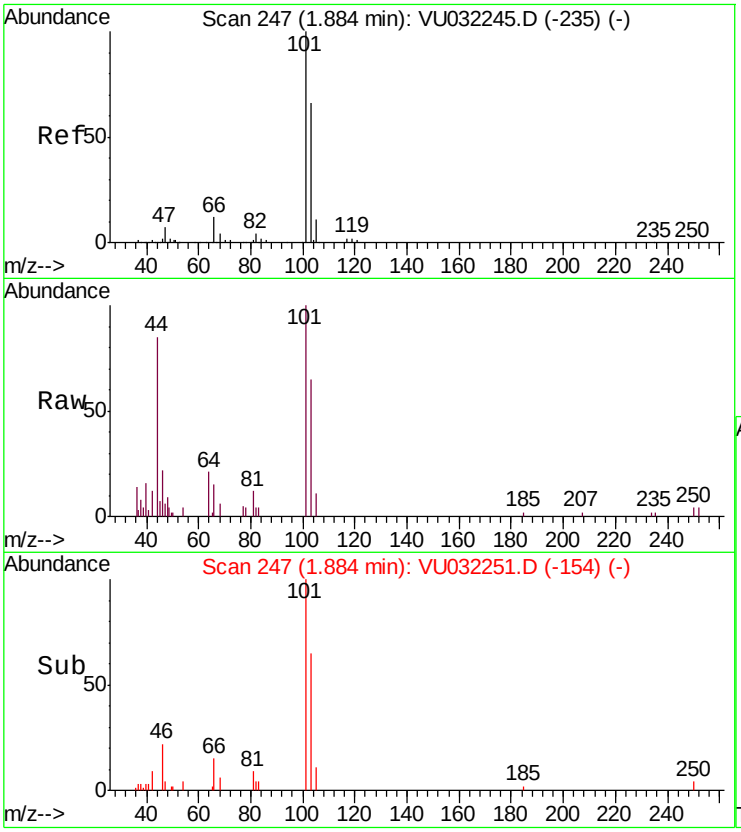


#3
Chloromethane
Concen: 0.311 ug/L
RT: 1.33 min Scan# 74
Delta R.T. 0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 50 Resp: 4885

Ion	Ratio	Lower	Upper
50	100		
52	37.8	23.3	43.3



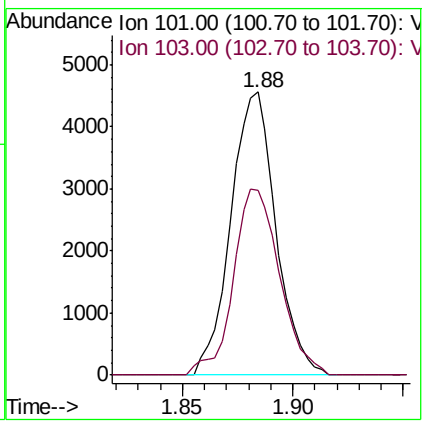


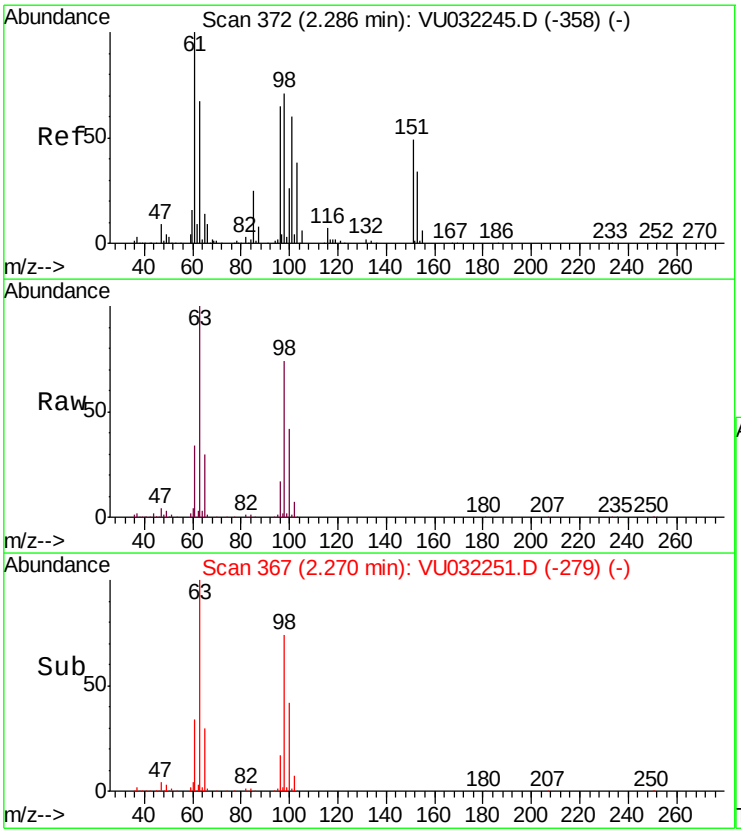
#9
Trichlorofluoromethane
Concen: 0.315 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Tgt Ion:101 Resp: 6476

Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.9	77.9

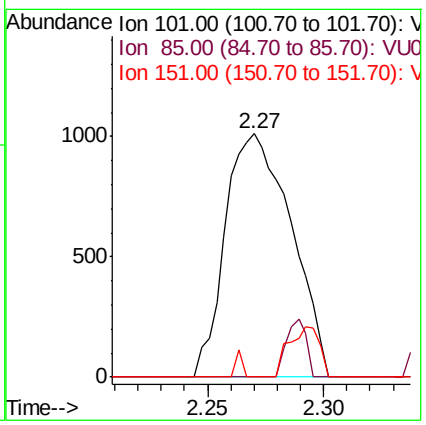


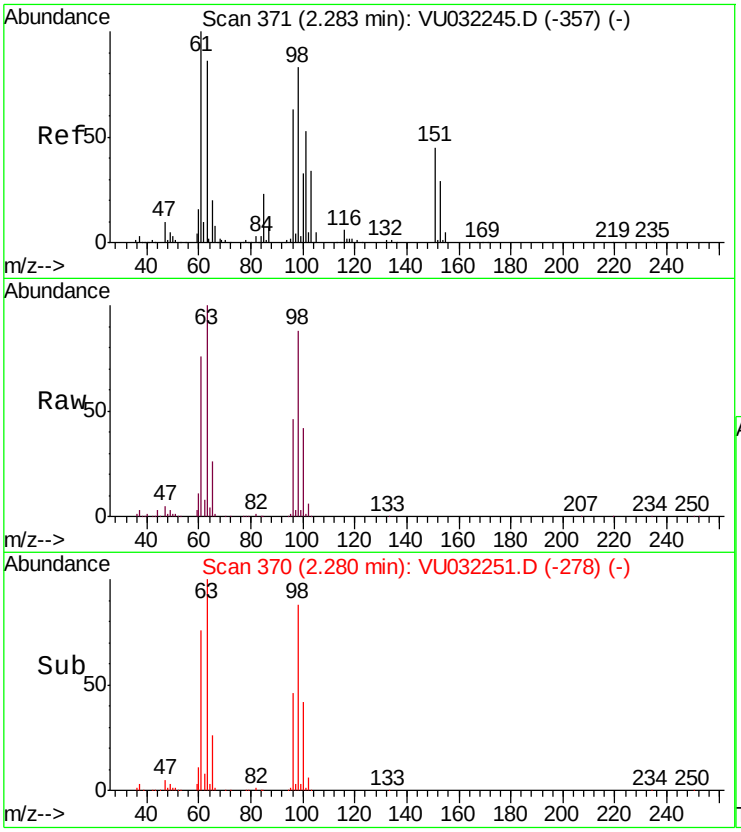


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.154 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.02 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion:101 Resp: 1996

Ion	Ratio	Lower	Upper
101	100		
85	0.0	34.2	51.4#
151	1.1	64.4	96.6#



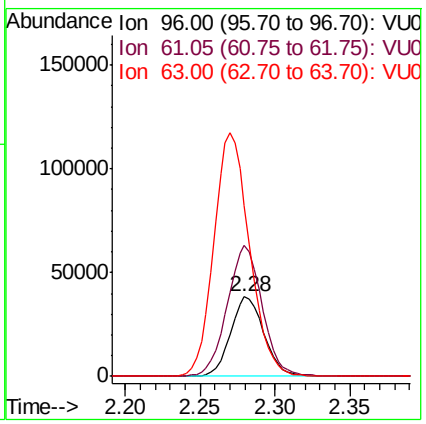


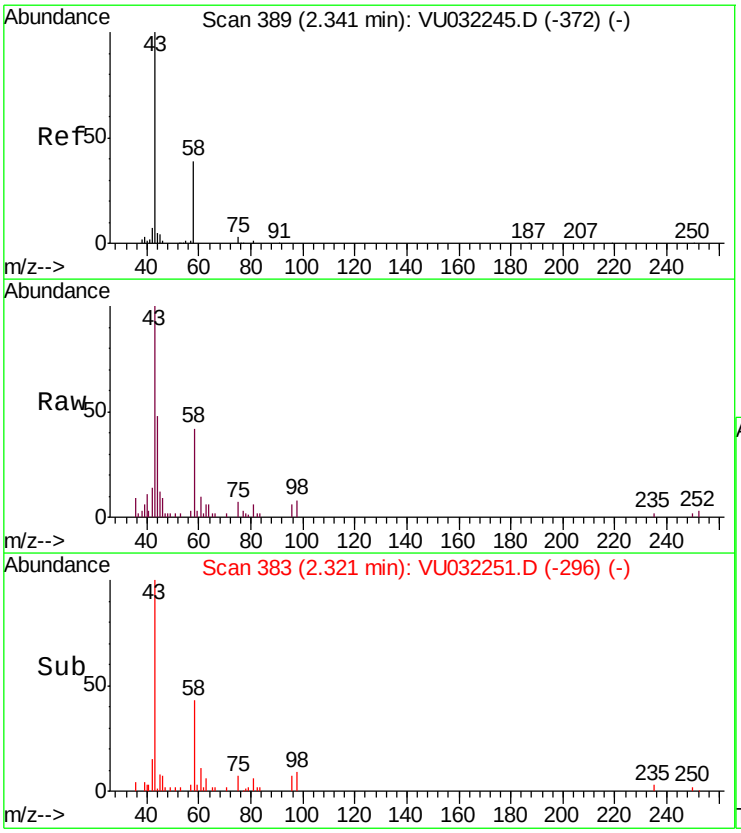
#12
1,1-Dichloroethene
Concen: 4.609 ug/L
RT: 2.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Tgt Ion: 96 Resp: 60049

Ion	Ratio	Lower	Upper
96	100		
61	164.8	113.8	211.3
63	215.4	108.8	202.2#

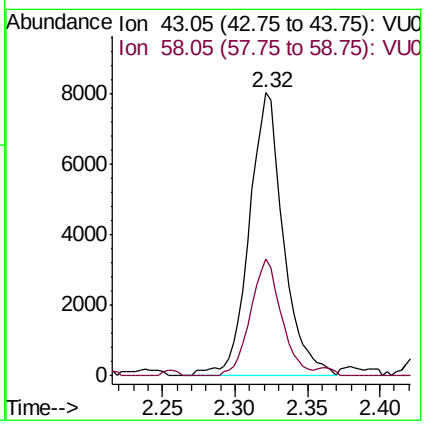


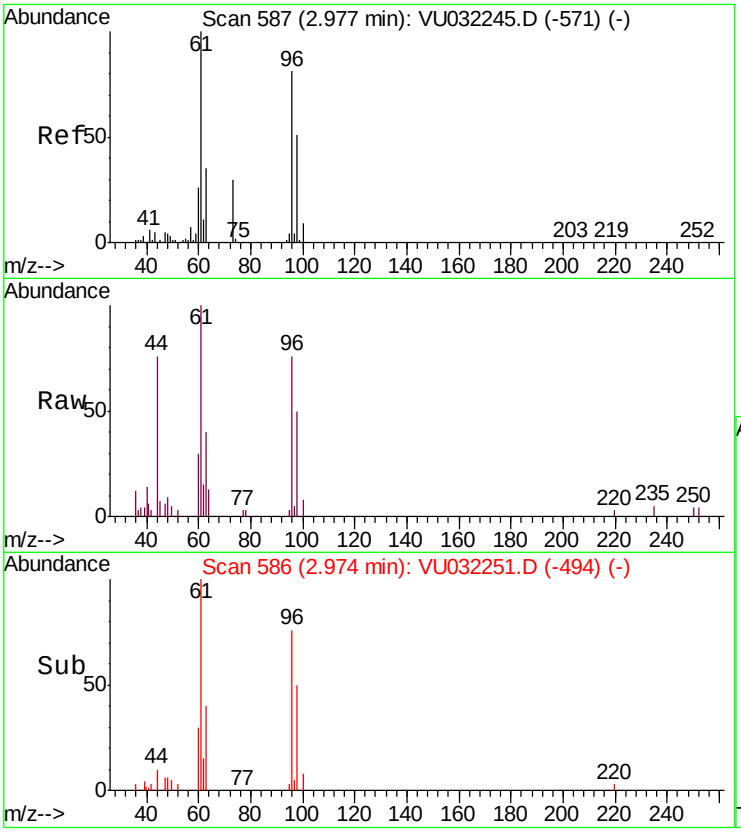


#13
Acetone
Concen: 7.396 ug/L
RT: 2.32 min Scan# 383
Delta R.T. -0.02 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 43 Resp: 13291

Ion	Ratio	Lower	Upper
43	100		
58	37.3	0.0	72.6



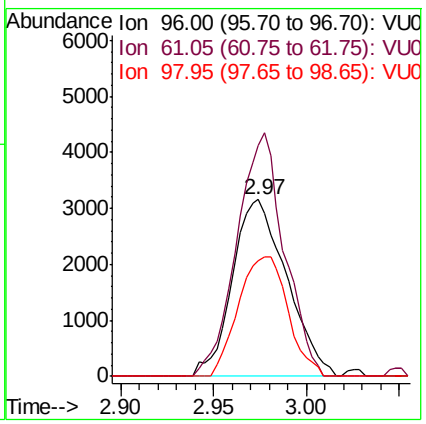


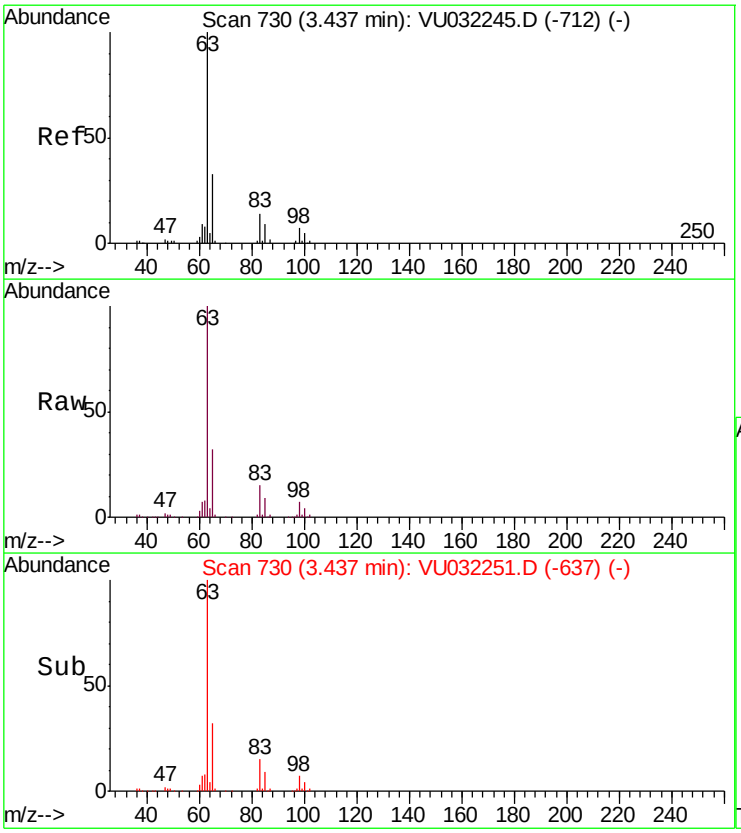
#18
trans-1,2-Dichloroethene
Concen: 0.459 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Tgt Ion: 96 Resp: 6426

Ion	Ratio	Lower	Upper
96	100		
61	130.8	90.6	168.3
98	65.6	49.5	91.9

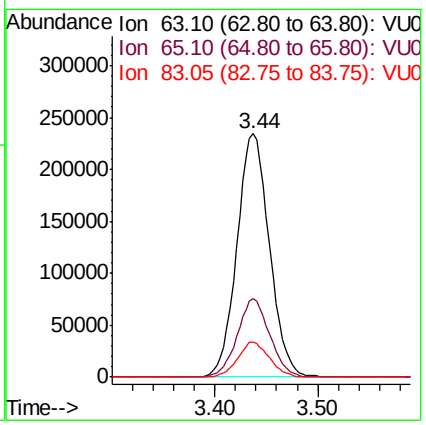


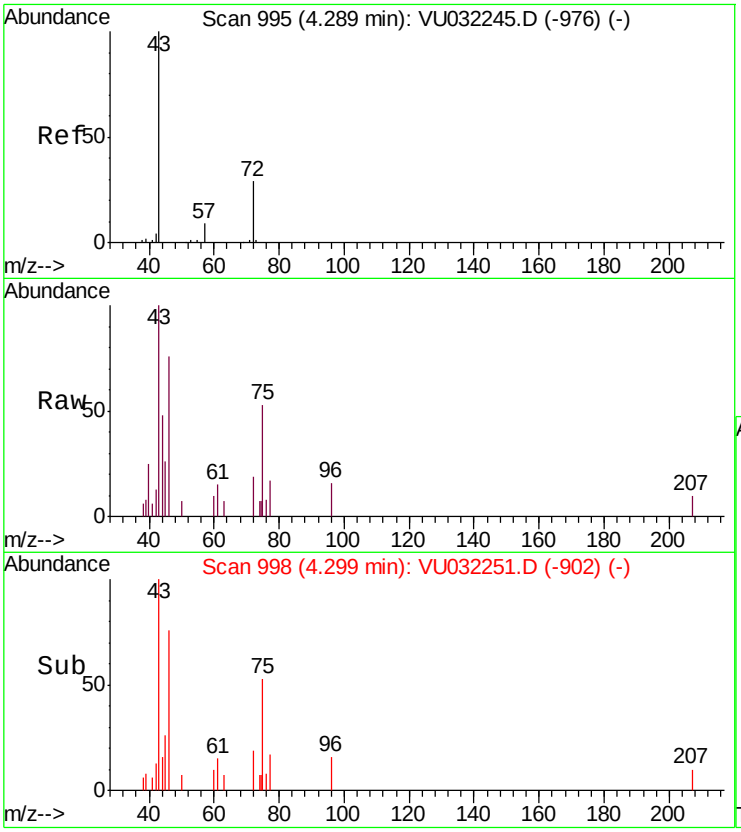


#19
1,1-Dichloroethane
Concen: 23.745 ug/L
RT: 3.44 min Scan# 730
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 63 Resp: 512886

Ion	Ratio	Lower	Upper
63	100		
65	32.1	23.5	43.7
83	14.5	8.8	16.3



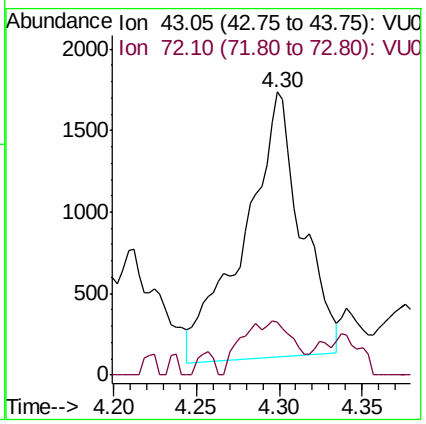


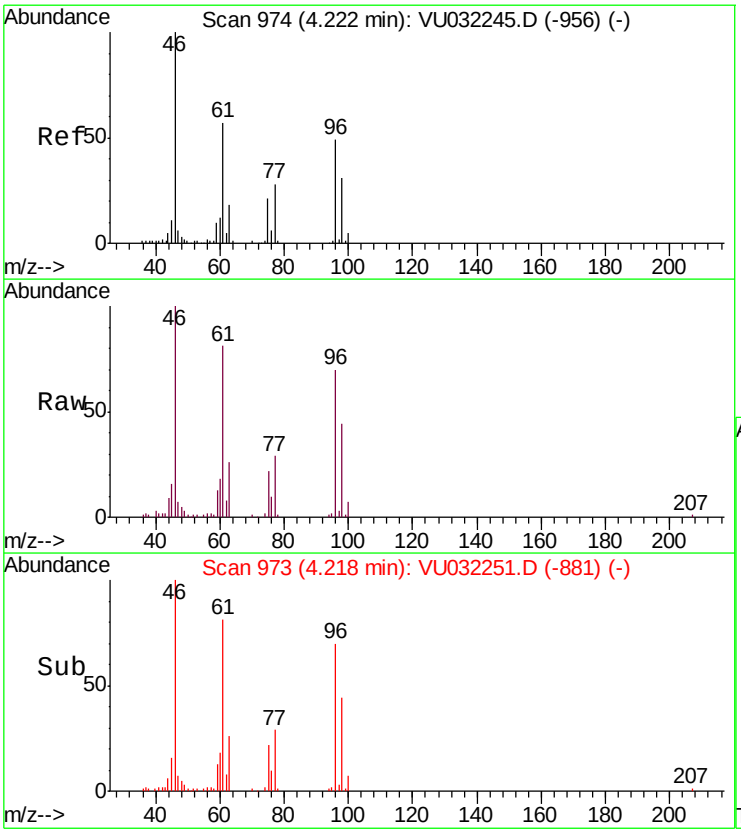
#21
2-Butanone
Concen: 1.439 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.01 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Tgt Ion: 43 Resp: 3901

Ion	Ratio	Lower	Upper
43	100		
72	18.3	15.2	45.6

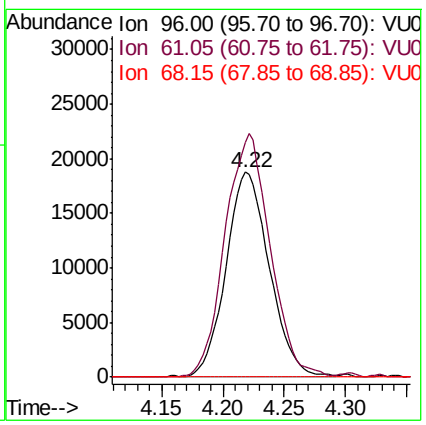


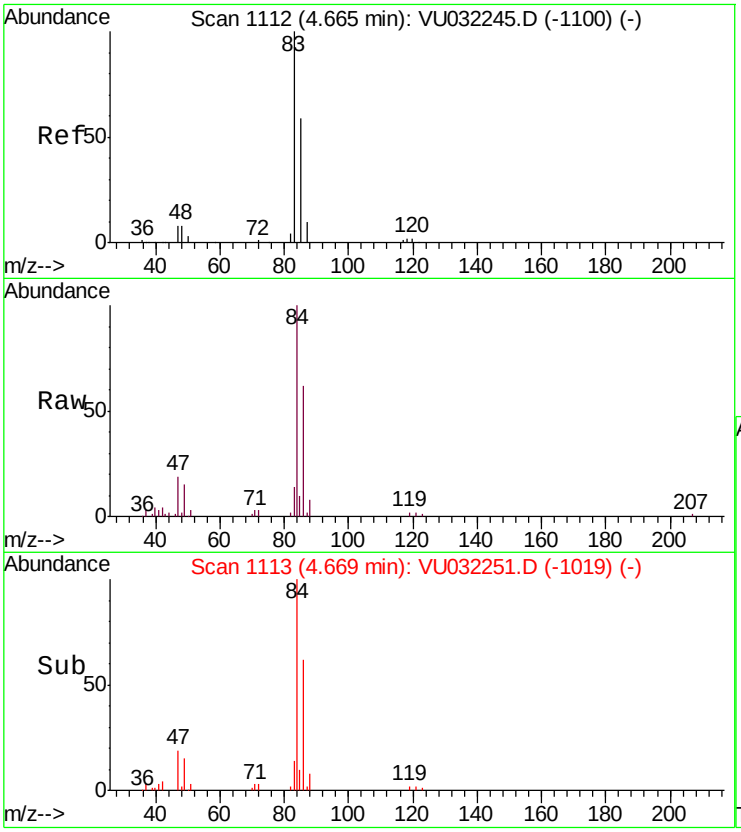


#22
cis-1,2-Dichloroethene
Concen: 3.400 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 96 Resp: 46422

Ion	Ratio	Lower	Upper
96	100		
61	114.8	82.5	153.1
68	0.0	0.0	0.0



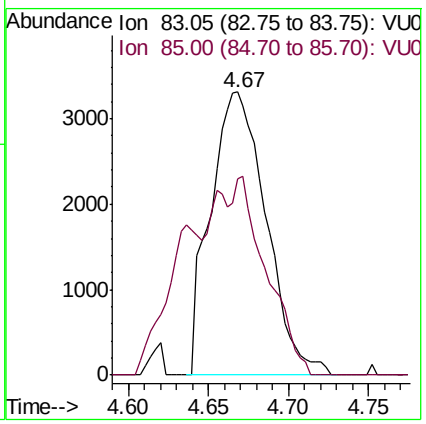


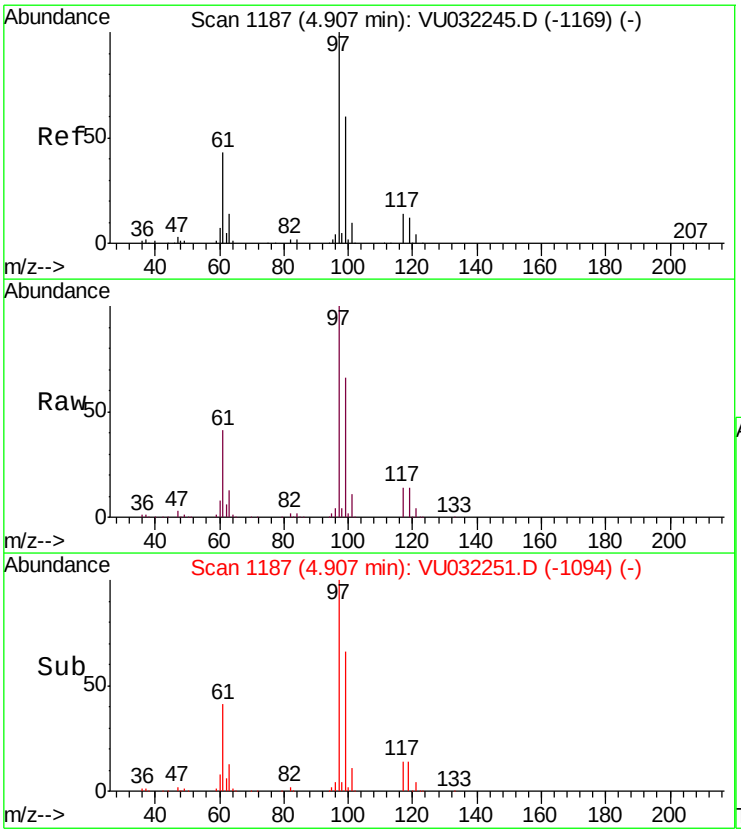
#25
Chloroform
Concen: 0.339 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Tgt Ion: 83 Resp: 7905

Ion	Ratio	Lower	Upper
83	100		
85	69.6	41.6	77.3

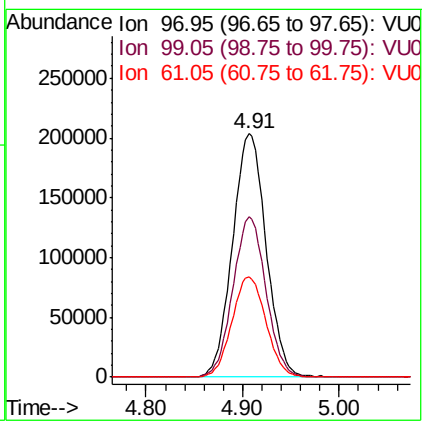


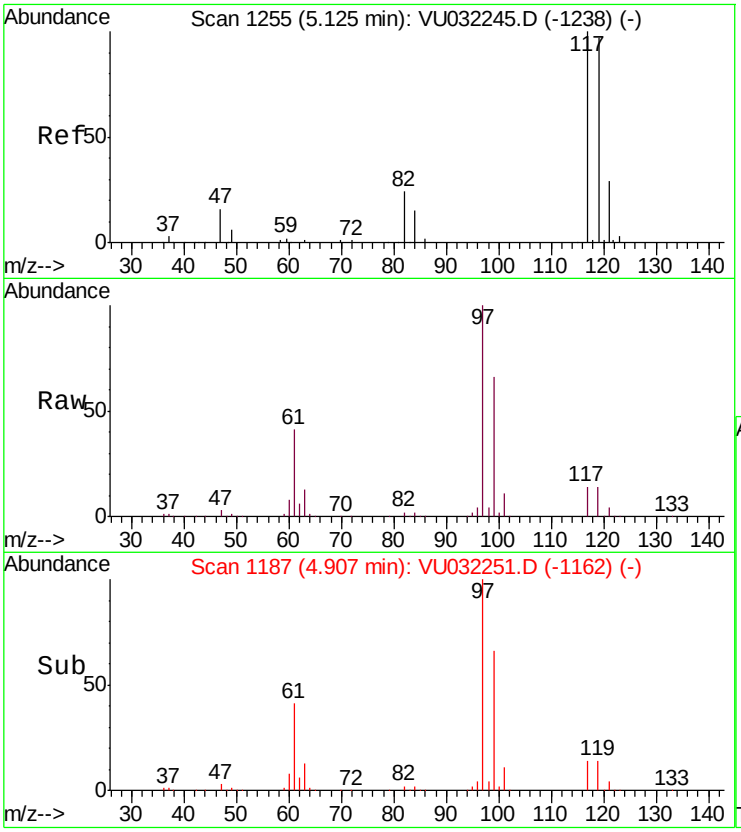


#29
1,1,1-Trichloroethane
Concen: 24.873 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 97 Resp: 491559

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.3	75.5
61	41.8	34.1	51.1



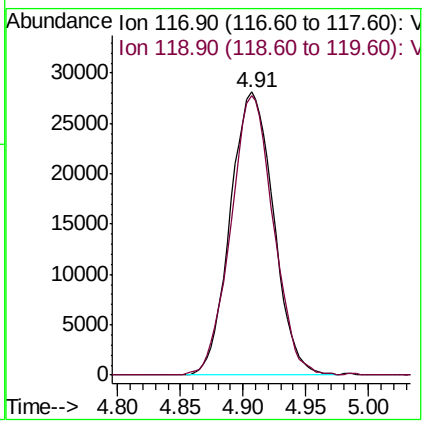


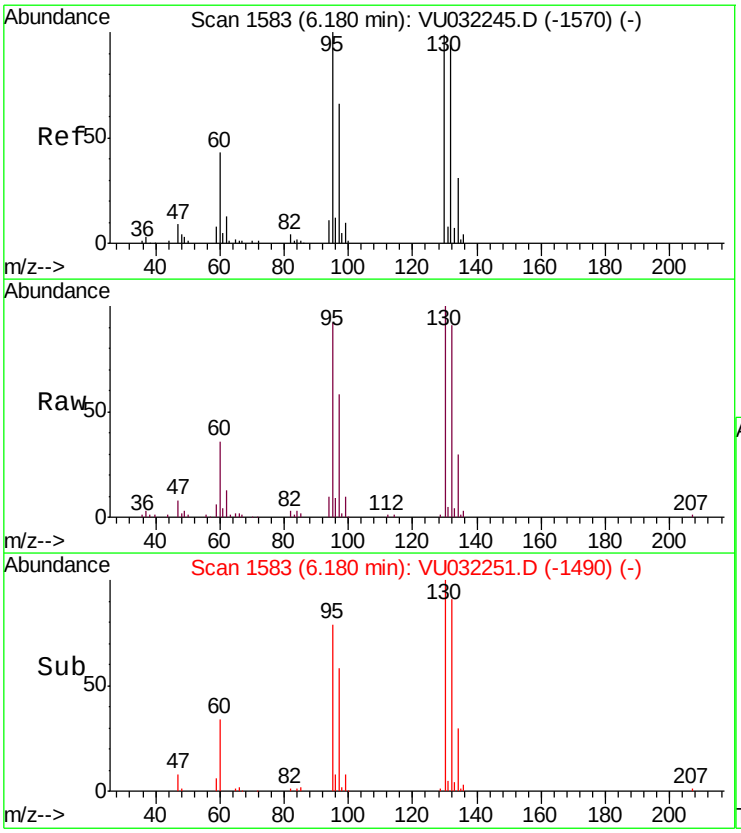
#31
Carbon tetrachloride
Concen: 3.864 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.22 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument : MSVOA_U
ClientSampleId : E3YF1

Tgt Ion:117 Resp: 67272

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.9	115.3

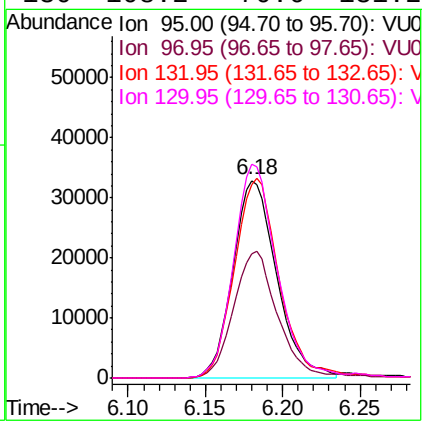


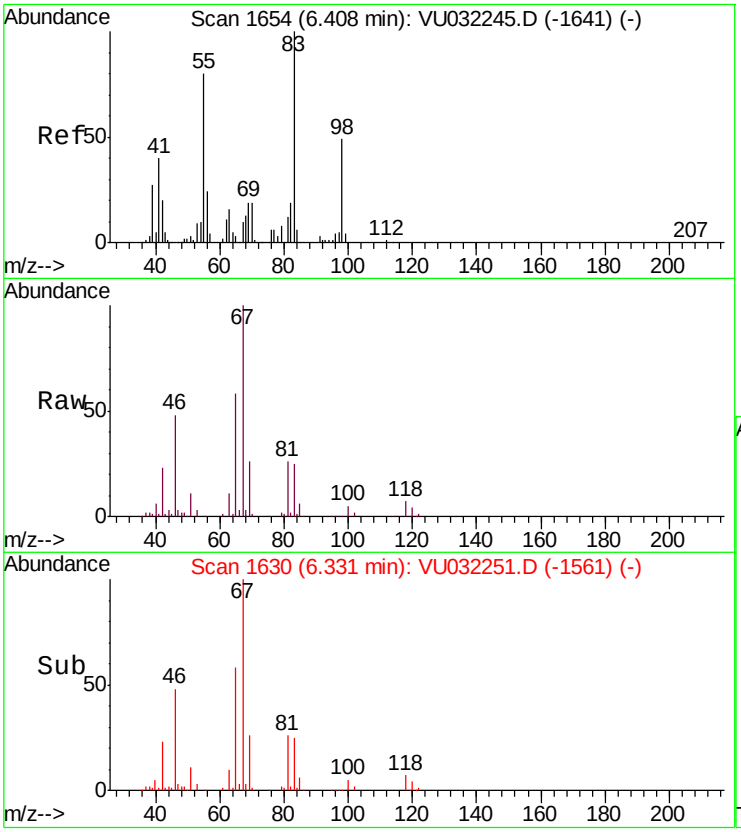


#34
Trichloroethene
Concen: 4.676 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 95 Resp: 64632

Ion	Ratio	Lower	Upper
95	100		
97	62.8	39.9	74.1
132	98.2	65.9	122.5
130	108.2	70.6	131.2



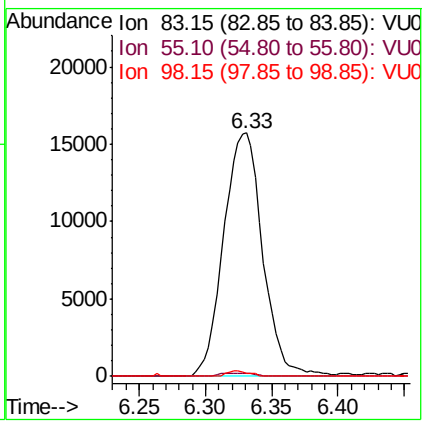


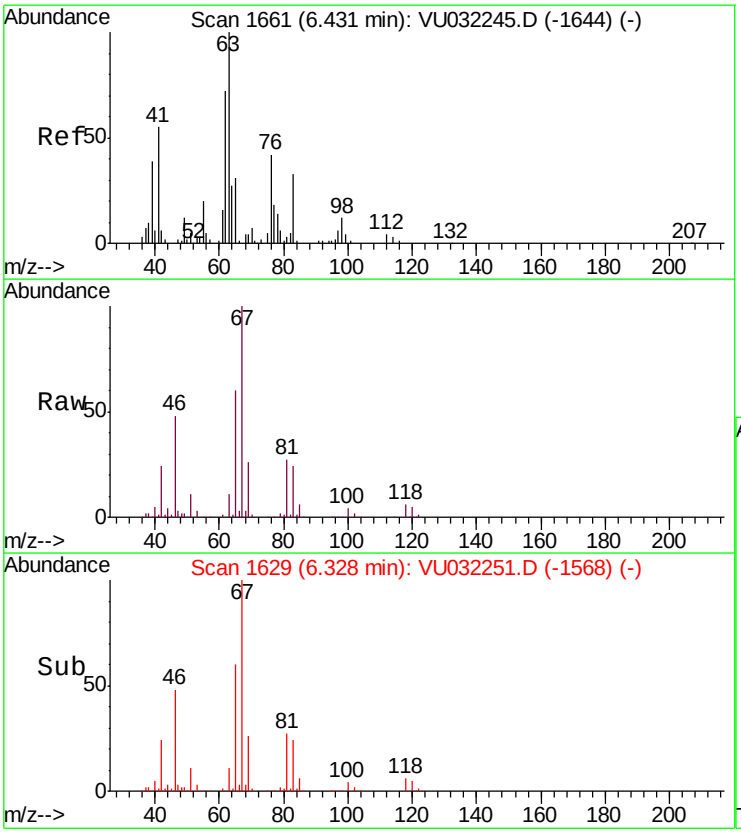
#35
Methylcyclohexane
Concen: 1.577 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.08 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Tgt Ion: 83 Resp: 32107

Ion	Ratio	Lower	Upper
83	100		
55	1.1	59.7	89.5#
98	1.2	37.5	56.3#

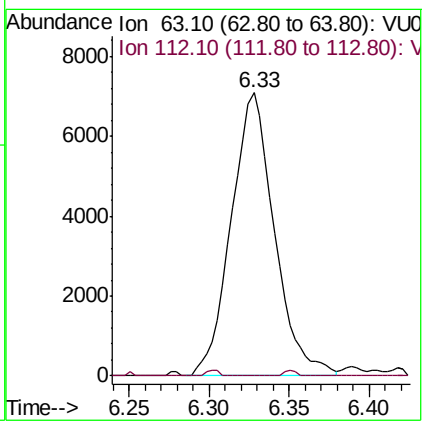


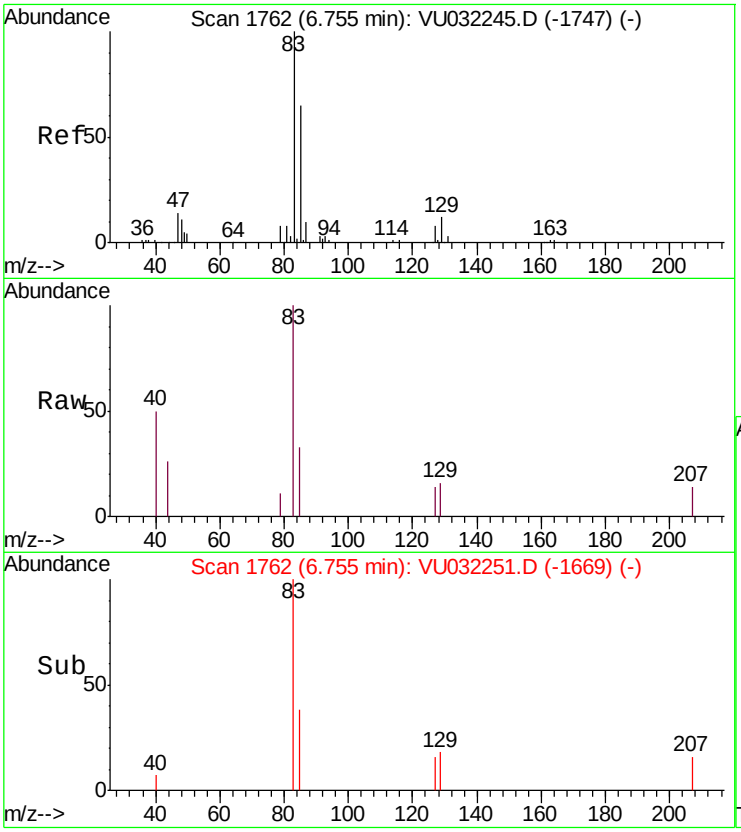


#37
1,2-Dichloropropane
Concen: 1.054 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 63 Resp: 13067

Ion	Ratio	Lower	Upper
63	100		
112	0.5	3.8	5.8#



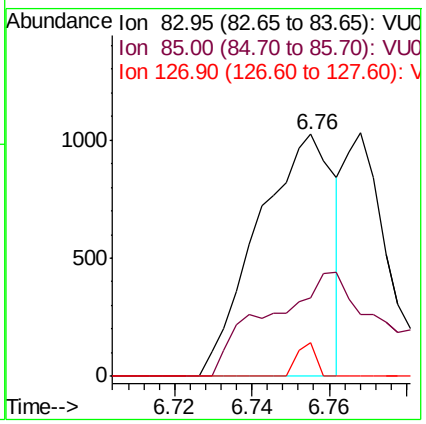


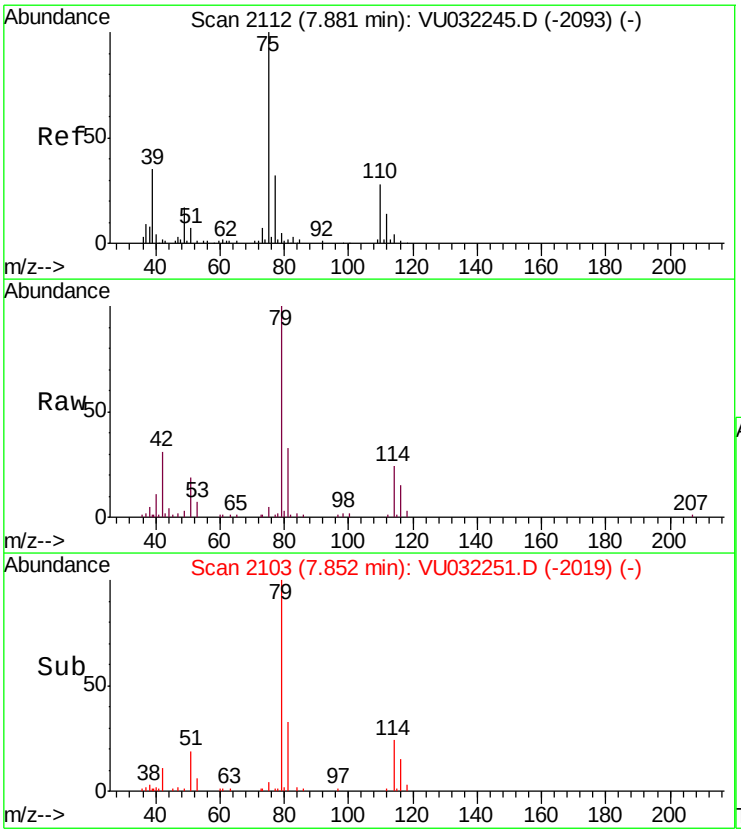
#38
Bromodichloromethane
Concen: 0.087 ug/L
RT: 6.76 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Tgt Ion: 83 Resp: 1402

Ion	Ratio	Lower	Upper
83	100		
85	32.5	44.4	82.4#
127	14.1	7.0	10.6#

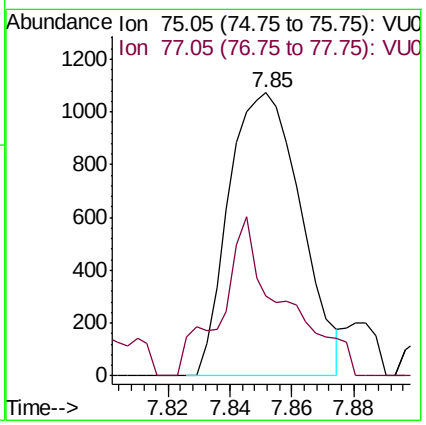


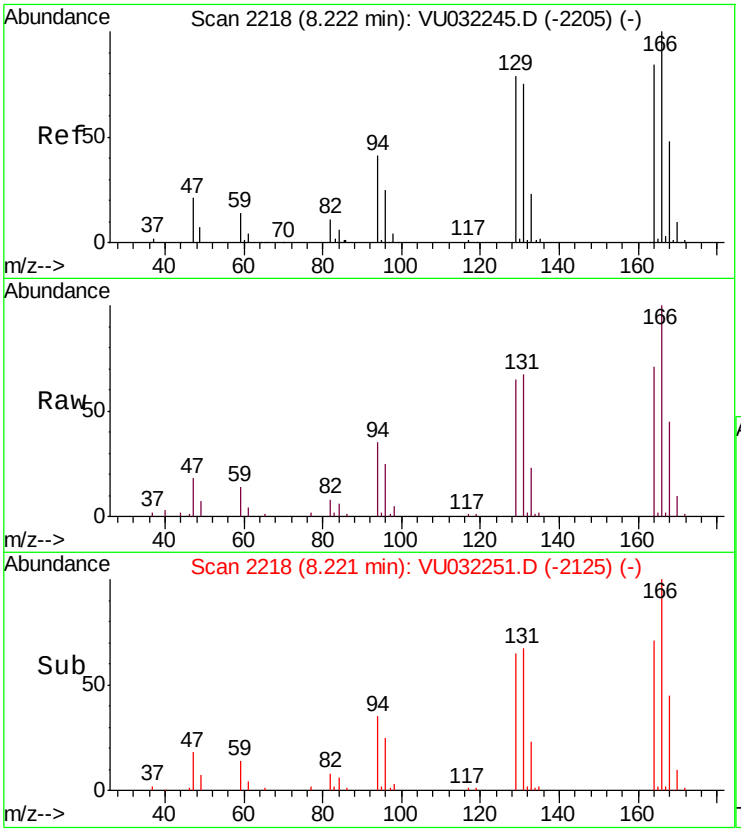


#44
trans-1,3-Dichloropropene
Concen: 0.125 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. -0.03 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 75 Resp: 1736

Ion	Ratio	Lower	Upper
75	100		
77	28.1	22.5	41.9



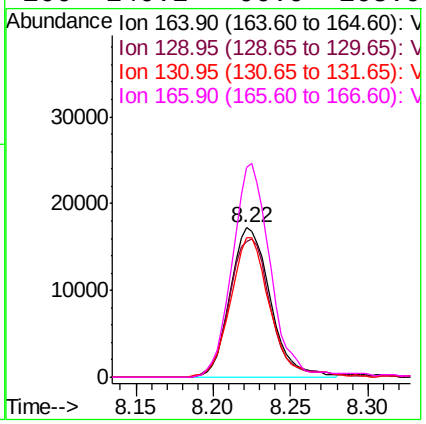


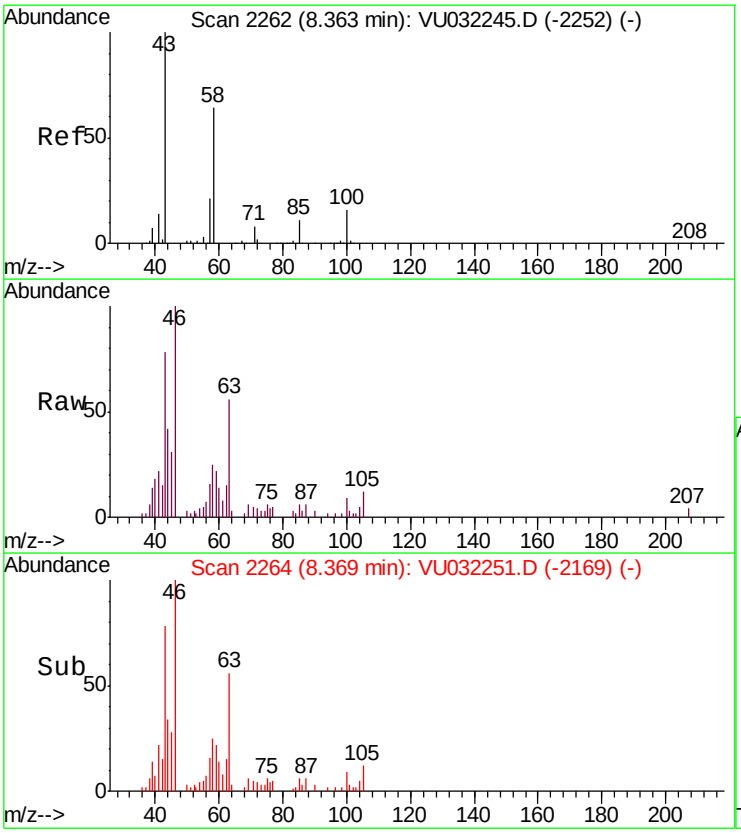
#47
Tetrachloroethene
Concen: 2.716 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument : MSVOA_U
ClientSampleId : E3YF1

Tgt Ion:164 Resp: 30988

Ion	Ratio	Lower	Upper
164	100		
129	91.1	67.1	124.7
131	93.5	62.2	115.4
166	140.2	90.9	168.9

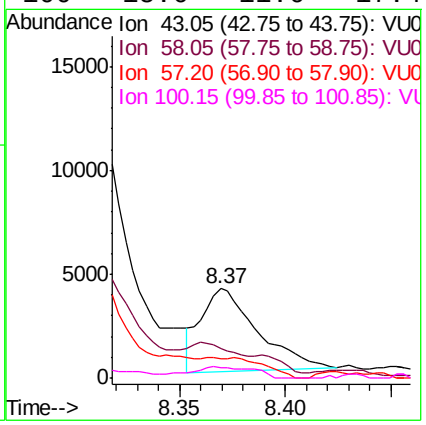


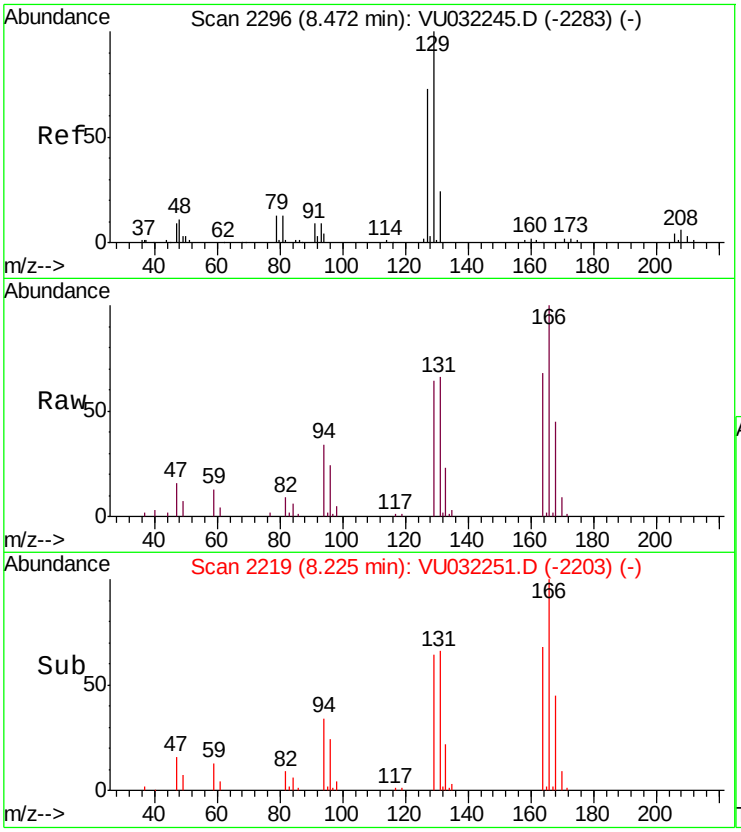


#48
2-Hexanone
Concen: 1.540 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 43 Resp: 7404

Ion	Ratio	Lower	Upper
43	100		
58	14.3	49.7	74.5#
57	0.0	17.1	25.7#
100	15.6	11.6	17.4



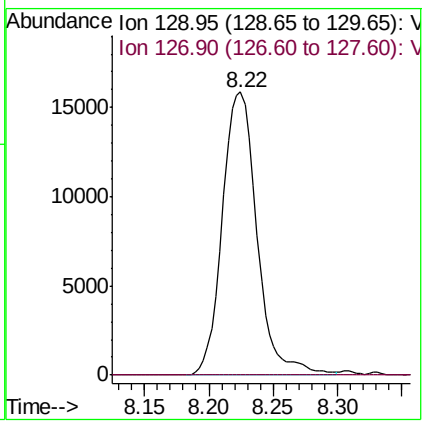


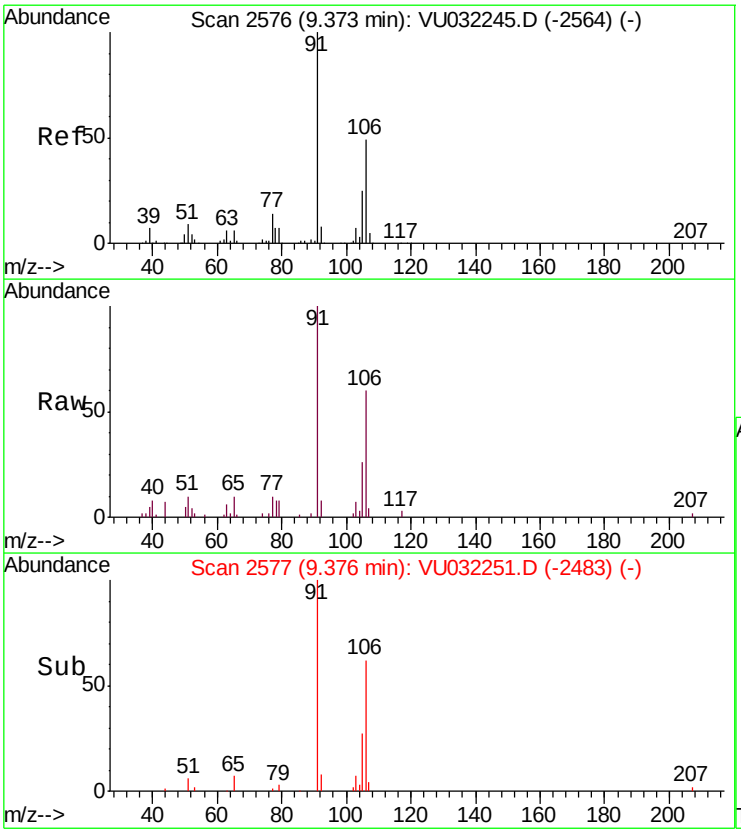
#49
Dibromochloromethane
Concen: 2.719 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument : MSVOA_U
ClientSampleId : E3YF1

Tgt Ion:129 Resp: 29637

Ion	Ratio	Lower	Upper
129	100		
127	0.0	51.7	95.9#

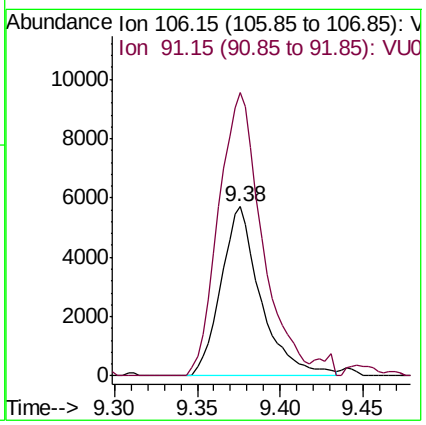


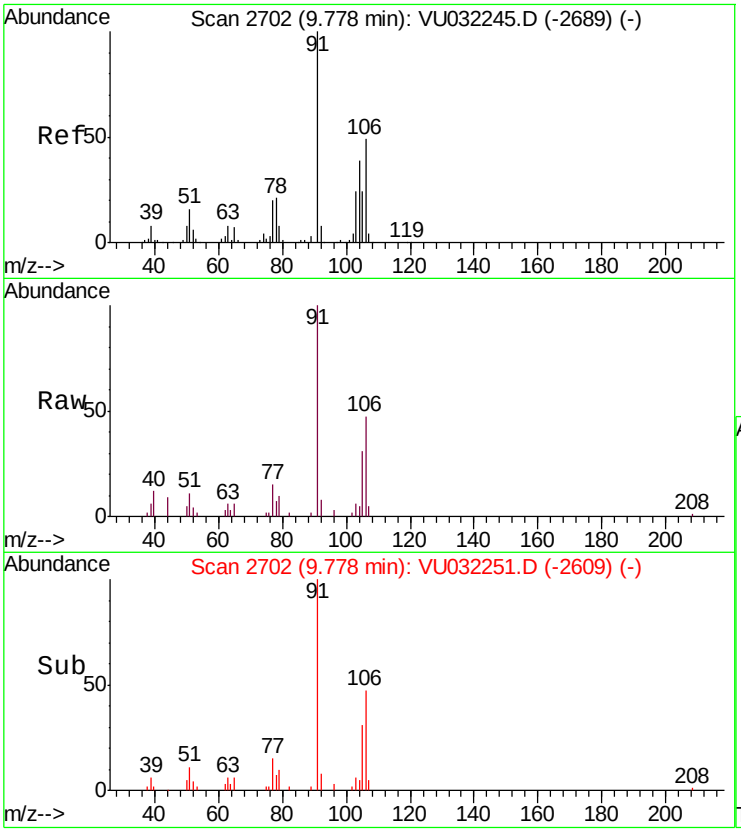


#53
m,p-Xylene
Concen: 0.466 ug/L
RT: 9.38 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion:106 Resp: 9552

Ion	Ratio	Lower	Upper
106	100		
91	167.2	143.9	267.2



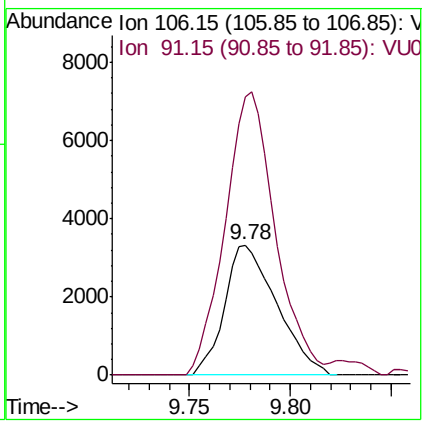


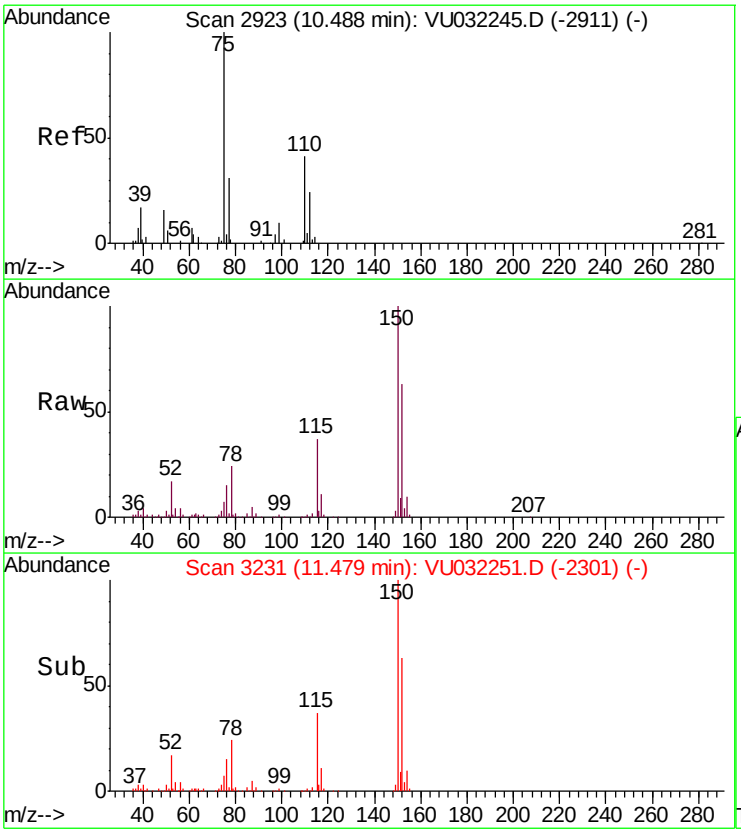
#54
o-Xylene
Concen: 0.295 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. -0.00 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Instrument :
MSVOA_U
ClientSampleId :
E3YF1

Tgt Ion:106 Resp: 6041

Ion	Ratio	Lower	Upper
106	100		
91	214.8	147.8	274.4





#59
1,2,3-Trichloropropane
Concen: 1.834 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032251.D
Acq: 23 May 2019 03:54

Tgt Ion: 75 Resp: 14814

Ion	Ratio	Lower	Upper
75	100		
77	39.7	28.2	42.4